

50412_022002 Sequence Listing.txt
SEQUENCE LISTING

<110> EBBEHOJ, KIRSTEN
JEPSEN, TRINE
KNUDSEN, CARSTEN BOYE
LARSEN, BJARNE DUE
KNOTT, DAVID

<120> STABILIZED EXENDIN-4 COMPOUNDS

<130> 50412/022002

<140> 10/529,858

<141> 2006-04-26

<150> PCT/DK2003/000651

<151> 2003-10-02

<150> 60/415,626

<151> 2002-10-02

<160> 108

<170> PatentIn version 3.5

<210> 1

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<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
peptide

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Glu	Ala	Val	Arg	Leu	Phe	Ile	Glu	Trp	Leu	Lys	Asn	Gly	Gly	Pro	Ser
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Ser	Gly	Ala	Pro	Pro	Ser	Lys	Lys	Lys	Lys	Lys	Lys
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peptide

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<221> MOD_RES

<222> (14)..(14)

<223> Met(O)

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50412_022002 Sequence Listing.txt

<221> MOD_RES
<222> (28)..(28)
<223> alpha-Asp

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His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
1 5 10 15

Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asp Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Ser Lys Lys Lys Lys Lys Lys
35 40

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<223> Met(O)

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<223> Trp(O2)

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<223> IsoAsp

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20 25 30

Ser Gly Ala Pro Pro Ser Lys Lys Lys Lys Lys Lys
35 40

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50412_022002 Sequence Listing.txt

<220>
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 <223> Trp(O2)

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 <223> Cyclic Imide

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 1 5 10 15

Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Xaa Gly Gly Pro Ser
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Ser Gly Ala Pro Pro Ser Lys Lys Lys Lys Lys
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 1 5 10 15

Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asp Gly Gly Pro Ser
 20 25 30

Ser Gly Ala Pro Pro Ser Lys Lys Lys Lys Lys
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 <223> IsoAsp

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50412_022002 Sequence Listing.txt

His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
1 5 10 15

Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asp Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Ser Lys Lys Lys Lys Lys Lys
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His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
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Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Xaa Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Ser Lys Lys Lys Lys Lys Lys
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Ser Gly Ala Pro Pro Pro Ser
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50412_022002 Sequence Listing.txt

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Ser Gly Ala Pro Pro Pro Ser
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Ser Gly Ala Pro Pro Ser Lys Lys Lys Lys Lys Lys
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50412_022002 Sequence Listing.txt

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 <223> Met(O)

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 1 5 10 15

Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
 20 25 30

Ser Gly Ala Pro Pro Ser Lys Lys Lys Lys Lys Lys
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 <223> Met(O)

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Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
 20 25 30

Ser Gly Ala Pro Pro Ser Lys Lys Lys Lys Lys Lys
 35 40

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50412_022002 Sequence Listing.txt

<220>

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<222> (28)..(28)

<223> D-IsoAsp

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Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asp Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Ser Lys Lys Lys Lys Lys Lys
35 40

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Ser Gly Ala Pro Pro Ser
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<223> IsoAsp

<400> 16

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50412_022002 Sequence Listing.txt

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20 25 30

Ser Gly Ala Pro Pro Ser
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<223> Cyclic Imide

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His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
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Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Xaa Gly Gly Pro Ser
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Ser Gly Ala Pro Pro Ser
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<223> Met(O)

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Ser Gly Ala Pro Pro Ser

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 <223> Trp(02)

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Ser Gly Ala Pro Pro Ser
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Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asp Gly Gly Pro Ser
 20 25 30

Ser Gly Ala Pro Pro Ser
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50412_022002 Sequence Listing.txt

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Ser Gly Ala Pro Pro Ser
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<223> Cyclic Imide

<400> 22
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1 5 10 15

Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Xaa Gly Gly Pro Ser
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Ser Gly Ala Pro Pro Ser
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50412_022002 Sequence Listing.txt

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<222> (25)..(25)
<223> Trp(O2)

<400> 23
His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
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Ser Gly Ala Pro Pro Ser
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<223> Met(O)

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<222> (25)..(25)
<223> Trp(O2)

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His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
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Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asp Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Ser
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50412_022002 Sequence Listing.txt

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 <223> Trp(O2)

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 <222> (28)..(28)
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Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asp Gly Gly Pro Ser
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Ser Gly Ala Pro Pro Ser
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<220>
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 <222> (28)..(28)

50412_022002 Sequence Listing.txt

<223> Cyclic Imide

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His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
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Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Xaa Gly Gly Pro Ser
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Ser Gly Ala Pro Pro Ser
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Lys Lys Lys Lys Lys Lys His Gly Glu Gly Thr Phe Thr Ser Asp Leu
1 5 10 15

Ser Lys Gln Met Glu Glu Glu Ala Val Arg Leu Phe Ile Glu Trp Leu
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Lys Asp Gly Gly Pro Ser Ser Gly Ala Pro Pro Ser Lys Lys Lys Lys
35 40 45

Lys Lys
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<210> 28

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<212> PRT

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 28

His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
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Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asp Gly Gly Pro Ser
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Ser Gly Ala Ser
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50412_022002 Sequence Listing.txt

<210> 29

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<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

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Lys Lys Lys Lys Lys Lys His Gly Glu Gly Thr Phe Thr Ser Asp Leu
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Ser Lys Gln Met Glu Glu Glu Ala Val Arg Leu Phe Ile Glu Trp Leu
20 25 30

Lys Asp Gly Gly Pro Ser Ser Gly Ala Ser
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<223> Description of Artificial Sequence: Synthetic peptide

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Asn Glu Glu Glu Glu Glu His Gly Glu Gly Thr Phe Thr Ser Asp Leu
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Ser Lys Gln Met Glu Glu Glu Ala Val Arg Leu Phe Ile Glu Trp Leu
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Lys Asp Gly Gly Pro Ser Ser Gly Ala Ser
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<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

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Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asp Gly Gly Pro Ser
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Ser Gly Ala Ser Lys Lys Lys Lys Lys Lys

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Ser Lys Gln Met Glu Glu Glu Ala Val Arg Leu Phe Ile Glu Trp Leu
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Lys Asp Gly Gly Pro Ser Ser Gly Ala Ser Lys Lys Lys Lys Lys Lys
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Ser Lys Gln Met Glu Glu Glu Ala Val Arg Leu Phe Ile Glu Trp Leu
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Lys Asp Gly Gly Pro Ser Ser Gly Ala Ser Lys Lys Lys Lys Lys Lys
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50412_022002 Sequence Listing.txt

Lys Lys Lys Lys Lys Lys His Gly Glu Gly Thr Phe Thr Ser Asp Leu
1 5 10 15

Ser Lys Gln Met Glu Glu Glu Ala Val Arg Leu Phe Ile Glu Trp Leu
20 25 30

Lys Xaa Gly Gly Pro Ser Ser Gly Ala Pro Pro Ser Lys Lys Lys Lys
35 40 45

Lys Lys
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<223> Description of Artificial Sequence: Synthetic peptide

<220>

<221> MOD_RES

<222> (28)..(28)

<223> Cyclic Imide

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His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
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Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Xaa Gly Gly Pro Ser
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Ser Gly Ala Ser
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<223> Cyclic Imide

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Lys Lys Lys Lys Lys Lys His Gly Glu Gly Thr Phe Thr Ser Asp Leu
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50412_022002 Sequence Listing.txt

Ser Lys Gln Met Glu Glu Glu Ala Val Arg Leu Phe Ile Glu Trp Leu
 20 25 30

Lys Xaa Gly Gly Pro Ser Ser Gly Ala Ser
 35 40

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<220>
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Ser Lys Gln Met Glu Glu Glu Ala Val Arg Leu Phe Ile Glu Trp Leu
 20 25 30

Lys Xaa Gly Gly Pro Ser Ser Gly Ala Ser
 35 40

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 1 5 10 15

Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Xaa Gly Gly Pro Ser
 20 25 30

Ser Gly Ala Ser Lys Lys Lys Lys Lys Lys
 35 40

50412_022002 Sequence Listing.txt

<210> 39
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<220>
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 <222> (34)..(34)
 <223> Cyclic Imide

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 Lys Lys Lys Lys Lys Lys His Gly Glu Gly Thr Phe Thr Ser Asp Leu
 1 5 10 15

Ser Lys Gln Met Glu Glu Glu Ala Val Arg Leu Phe Ile Glu Trp Leu
 20 25 30

Lys Xaa Gly Gly Pro Ser Ser Gly Ala Ser Lys Lys Lys Lys Lys Lys
 35 40 45

<210> 40
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 <223> Cyclic Imide

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Ser Lys Gln Met Glu Glu Glu Ala Val Arg Leu Phe Ile Glu Trp Leu
 20 25 30

Lys Xaa Gly Gly Pro Ser Ser Gly Ala Ser Lys Lys Lys Lys Lys Lys
 35 40 45

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50412_022002 Sequence Listing.txt

<220>

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<222> (31)..(31)

<223> Trp(O2)

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1 5 10 15

Ser Lys Gln Met Glu Glu Glu Ala Val Arg Leu Phe Ile Glu Trp Leu
20 25 30

Lys Asp Gly Gly Pro Ser Ser Gly Ala Pro Pro Ser Lys Lys Lys Lys
35 40 45

Lys Lys
50

<210> 42

<211> 36

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<223> Description of Artificial Sequence: Synthetic peptide

<220>

<221> MOD_RES

<222> (25)..(25)

<223> Trp(O2)

<400> 42

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1 5 10 15

Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asp Gly Gly Pro Ser
20 25 30

Ser Gly Ala Ser
35

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50412_022002 Sequence Listing.txt

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 1 5 10 15

Ser Lys Gln Met Glu Glu Glu Ala Val Arg Leu Phe Ile Glu Trp Leu
 20 25 30

Lys Asp Gly Gly Pro Ser Ser Gly Ala Ser
 35 40

<210> 44
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 <212> PRT
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<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<220>
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 <222> (31)..(31)
 <223> Trp(02)

<400> 44
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 1 5 10 15

Ser Lys Gln Met Glu Glu Glu Ala Val Arg Leu Phe Ile Glu Trp Leu
 20 25 30

Lys Asp Gly Gly Pro Ser Ser Gly Ala Ser
 35 40

<210> 45
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<220>
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 <223> Trp(02)

50412_022002 Sequence Listing.txt

<400> 45

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Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asp Gly Gly Pro Ser
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Ser Gly Ala Ser Lys Lys Lys Lys Lys Lys
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<212> PRT

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<223> Description of Artificial Sequence: Synthetic peptide

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<221> MOD_RES

<222> (31)..(31)

<223> Trp(O2)

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Lys Lys Lys Lys Lys Lys His Gly Glu Gly Thr Phe Thr Ser Asp Leu
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Ser Lys Gln Met Glu Glu Glu Ala Val Arg Leu Phe Ile Glu Trp Leu
20 25 30

Lys Asp Gly Gly Pro Ser Ser Gly Ala Ser Lys Lys Lys Lys Lys Lys
35 40 45

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<223> Description of Artificial Sequence: Synthetic peptide

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<221> MOD_RES

<222> (31)..(31)

<223> Trp(O2)

<400> 47

Asn Glu Glu Glu Glu Glu His Gly Glu Gly Thr Phe Thr Ser Asp Leu
1 5 10 15

Ser Lys Gln Met Glu Glu Glu Ala Val Arg Leu Phe Ile Glu Trp Leu
20 25 30

50412_022002 Sequence Listing.txt

Lys Asp Gly Gly Pro Ser Ser Gly Ala Ser Lys Lys Lys Lys Lys Lys
 35 40 45

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<220>
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 <223> Trp(O2)

<220>
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 1 5 10 15

Ser Lys Gln Met Glu Glu Glu Ala Val Arg Leu Phe Ile Glu Trp Leu
 20 25 30

Lys Xaa Gly Gly Pro Ser Ser Gly Ala Pro Pro Ser Lys Lys Lys Lys
 35 40 45

Lys Lys
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<220>
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<220>
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50412_022002 Sequence Listing.txt

<400> 49

His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
1 5 10 15

Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Xaa Gly Gly Pro Ser
20 25 30

Ser Gly Ala Ser
35

<210> 50

<211> 42

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<220>

<221> MOD_RES

<222> (31)..(31)

<223> Trp(O2)

<220>

<221> MOD_RES

<222> (34)..(34)

<223> Cyclic Imide

<400> 50

Lys Lys Lys Lys Lys Lys His Gly Glu Gly Thr Phe Thr Ser Asp Leu
1 5 10 15

Ser Lys Gln Met Glu Glu Glu Ala Val Arg Leu Phe Ile Glu Trp Leu
20 25 30

Lys Xaa Gly Gly Pro Ser Ser Gly Ala Ser
35 40

<210> 51

<211> 42

<212> PRT

<213> Artificial Sequence

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<220>

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<222> (31)..(31)

<223> Trp(O2)

<220>

<221> MOD_RES

<222> (34)..(34)
 <223> Cyclic Imide

<400> 51
 Asn Glu Glu Glu Glu Glu His Gly Glu Gly Thr Phe Thr Ser Asp Leu
 1 5 10 15

Ser Lys Gln Met Glu Glu Glu Ala Val Arg Leu Phe Ile Glu Trp Leu
 20 25 30

Lys Xaa Gly Gly Pro Ser Ser Gly Ala Ser
 35 40

<210> 52
 <211> 42
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<220>
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 <222> (25)..(25)
 <223> Trp(O2)

<220>
 <221> MOD_RES
 <222> (28)..(28)
 <223> Cyclic Imide

<400> 52
 His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
 1 5 10 15

Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Xaa Gly Gly Pro Ser
 20 25 30

Ser Gly Ala Ser Lys Lys Lys Lys Lys Lys
 35 40

<210> 53
 <211> 48
 <212> PRT
 <213> Artificial Sequence

<220>
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<220>
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 <222> (31)..(31)
 <223> Trp(O2)

50412_022002 Sequence Listing.txt

<220>
 <221> MOD_RES
 <222> (34)..(34)
 <223> Cyclic Imide

<400> 53
 Lys Lys Lys Lys Lys Lys His Gly Glu Gly Thr Phe Thr Ser Asp Leu
 1 5 10 15

Ser Lys Gln Met Glu Glu Glu Ala Val Arg Leu Phe Ile Glu Trp Leu
 20 25 30

Lys Xaa Gly Gly Pro Ser Ser Gly Ala Ser Lys Lys Lys Lys Lys Lys
 35 40 45

<210> 54
 <211> 48
 <212> PRT
 <213> Artificial Sequence

<220>
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<220>
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 <222> (31)..(31)
 <223> Trp(O2)

<220>
 <221> MOD_RES
 <222> (34)..(34)
 <223> Cyclic Imide

<400> 54
 Asn Glu Glu Glu Glu Glu His Gly Glu Gly Thr Phe Thr Ser Asp Leu
 1 5 10 15

Ser Lys Gln Met Glu Glu Glu Ala Val Arg Leu Phe Ile Glu Trp Leu
 20 25 30

Lys Xaa Gly Gly Pro Ser Ser Gly Ala Ser Lys Lys Lys Lys Lys Lys
 35 40 45

<210> 55
 <211> 50
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<220>

50412_022002 Sequence Listing.txt

<221> MOD_RES
<222> (20)..(20)
<223> Met(O)

<400> 55

Lys Lys Lys Lys Lys Lys His Gly Glu Gly Thr Phe Thr Ser Asp Leu
1 5 10 15

Ser Lys Gln Met Glu Glu Glu Ala Val Arg Leu Phe Ile Glu Trp Leu
20 25 30

Lys Asp Gly Gly Pro Ser Ser Gly Ala Pro Pro Ser Lys Lys Lys Lys
35 40 45

Lys Lys
50

<210> 56
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<220>
<221> MOD_RES
<222> (14)..(14)
<223> Met(O)

<400> 56

His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
1 5 10 15

Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asp Gly Gly Pro Ser
20 25 30

Ser Gly Ala Ser
35

<210> 57
<211> 42
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<220>
<221> MOD_RES
<222> (20)..(20)
<223> Met(O)

50412_022002 Sequence Listing.txt

<400> 57

Lys Lys Lys Lys Lys Lys His Gly Glu Gly Thr Phe Thr Ser Asp Leu
1 5 10 15

Ser Lys Gln Met Glu Glu Glu Ala Val Arg Leu Phe Ile Glu Trp Leu
20 25 30

Lys Asp Gly Gly Pro Ser Ser Gly Ala Ser
35 40

<210> 58

<211> 42

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<220>

<221> MOD_RES

<222> (20)..(20)

<223> Met(O)

<400> 58

Asn Glu Glu Glu Glu Glu His Gly Glu Gly Thr Phe Thr Ser Asp Leu
1 5 10 15

Ser Lys Gln Met Glu Glu Glu Ala Val Arg Leu Phe Ile Glu Trp Leu
20 25 30

Lys Asp Gly Gly Pro Ser Ser Gly Ala Ser
35 40

<210> 59

<211> 42

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<220>

<221> MOD_RES

<222> (14)..(14)

<223> Met(O)

<400> 59

His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
1 5 10 15

Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asp Gly Gly Pro Ser
Page 27

20

25

30

Ser Gly Ala Ser Lys Lys Lys Lys Lys Lys
35 40

<210> 60
<211> 48
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<220>
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<222> (20)..(20)
<223> Met(O)

<400> 60
Lys Lys Lys Lys Lys Lys His Gly Glu Gly Thr Phe Thr Ser Asp Leu
1 5 10 15

Ser Lys Gln Met Glu Glu Glu Ala Val Arg Leu Phe Ile Glu Trp Leu
20 25 30

Lys Asp Gly Gly Pro Ser Ser Gly Ala Ser Lys Lys Lys Lys Lys Lys
35 40 45

<210> 61
<211> 48
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

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<222> (20)..(20)
<223> Met(O)

<400> 61
Asn Glu Glu Glu Glu Glu His Gly Glu Gly Thr Phe Thr Ser Asp Leu
1 5 10 15

Ser Lys Gln Met Glu Glu Glu Ala Val Arg Leu Phe Ile Glu Trp Leu
20 25 30

Lys Asp Gly Gly Pro Ser Ser Gly Ala Ser Lys Lys Lys Lys Lys Lys
35 40 45

50412_022002 Sequence Listing.txt

<210> 62
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 <212> PRT
 <213> Artificial Sequence

<220>
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 <221> MOD_RES
 <222> (20)..(20)
 <223> Met(O)

<220>
 <221> MOD_RES
 <222> (34)..(34)
 <223> Cyclic Imide

<400> 62
 Lys Lys Lys Lys Lys Lys His Gly Glu Gly Thr Phe Thr Ser Asp Leu
 1 5 10 15
 Ser Lys Gln Met Glu Glu Glu Ala Val Arg Leu Phe Ile Glu Trp Leu
 20 25 30
 Lys Xaa Gly Gly Pro Ser Ser Gly Ala Pro Pro Ser Lys Lys Lys Lys
 35 40 45
 Lys Lys
 50

<210> 63
 <211> 36
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<220>
 <221> MOD_RES
 <222> (14)..(14)
 <223> Met(O)

<220>
 <221> MOD_RES
 <222> (28)..(28)
 <223> Cyclic Imide

<400> 63
 His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
 1 5 10 15

Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Xaa Gly Gly Pro Ser
 Page 29

20

25

30

Ser Gly Ala Ser
35

<210> 64
<211> 42
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<223> Met(O)

<220>
<221> MOD_RES
<222> (34)..(34)
<223> Cyclic Imide

<400> 64
Lys Lys Lys Lys Lys Lys His Gly Glu Gly Thr Phe Thr Ser Asp Leu
1 5 10 15

Ser Lys Gln Met Glu Glu Glu Ala Val Arg Leu Phe Ile Glu Trp Leu
20 25 30

Lys Xaa Gly Gly Pro Ser Ser Gly Ala Ser
35 40

<210> 65
<211> 42
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<222> (20)..(20)
<223> Met(O)

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<222> (34)..(34)
<223> Cyclic Imide

<400> 65
Asn Glu Glu Glu Glu Glu His Gly Glu Gly Thr Phe Thr Ser Asp Leu
1 5 10 15

50412_022002 Sequence Listing.txt

Ser Lys Gln Met Glu Glu Glu Ala Val Arg Leu Phe Ile Glu Trp Leu
20 25 30

Lys Xaa Gly Gly Pro Ser Ser Gly Ala Ser
35 40

<210> 66
<211> 42
<212> PRT
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<220>
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<220>
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<222> (28)..(28)
<223> Cyclic Imide

<400> 66
His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
1 5 10 15

Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Xaa Gly Gly Pro Ser
20 25 30

Ser Gly Ala Ser Lys Lys Lys Lys Lys Lys
35 40

<210> 67
<211> 48
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

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<222> (20)..(20)
<223> Met(O)

<220>
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<222> (34)..(34)
<223> Cyclic Imide

50412_022002 Sequence Listing.txt

<400> 67

Lys Lys Lys Lys Lys Lys His Gly Glu Gly Thr Phe Thr Ser Asp Leu
1 5 10 15

Ser Lys Gln Met Glu Glu Glu Ala Val Arg Leu Phe Ile Glu Trp Leu
20 25 30

Lys Xaa Gly Gly Pro Ser Ser Gly Ala Ser Lys Lys Lys Lys Lys Lys
35 40 45

<210> 68

<211> 48

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<220>

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<222> (20)..(20)

<223> Met(O)

<220>

<221> MOD_RES

<222> (34)..(34)

<223> Cyclic Imide

<400> 68

Asn Glu Glu Glu Glu Glu His Gly Glu Gly Thr Phe Thr Ser Asp Leu
1 5 10 15

Ser Lys Gln Met Glu Glu Glu Ala Val Arg Leu Phe Ile Glu Trp Leu
20 25 30

Lys Xaa Gly Gly Pro Ser Ser Gly Ala Ser Lys Lys Lys Lys Lys Lys
35 40 45

<210> 69

<211> 50

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<220>

<221> MOD_RES

<222> (20)..(20)

<223> Met(O)

<220>

<221> MOD_RES

50412_022002 Sequence Listing.txt

<222> (31)..(31)

<223> Trp(O2)

<400> 69

Lys Lys Lys Lys Lys Lys His Gly Glu Gly Thr Phe Thr Ser Asp Leu
1 5 10 15

Ser Lys Gln Met Glu Glu Glu Ala Val Arg Leu Phe Ile Glu Trp Leu
20 25 30

Lys Asp Gly Gly Pro Ser Ser Gly Ala Pro Pro Ser Lys Lys Lys Lys
35 40 45

Lys Lys
50

<210> 70

<211> 36

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<220>

<221> MOD_RES

<222> (14)..(14)

<223> Met(O)

<220>

<221> MOD_RES

<222> (25)..(25)

<223> Trp(O2)

<400> 70

His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
1 5 10 15

Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asp Gly Gly Pro Ser
20 25 30

Ser Gly Ala Ser
35

<210> 71

<211> 42

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

50412_022002 Sequence Listing.txt

<220>
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 <222> (20)..(20)
 <223> Met(0)

<220>
 <221> MOD_RES
 <222> (31)..(31)
 <223> Trp(02)

<400> 71
 Lys Lys Lys Lys Lys Lys His Gly Glu Gly Thr Phe Thr Ser Asp Leu
 1 5 10 15

Ser Lys Gln Met Glu Glu Glu Ala Val Arg Leu Phe Ile Glu Trp Leu
 20 25 30

Lys Asp Gly Gly Pro Ser Ser Gly Ala Ser
 35 40

<210> 72
 <211> 42
 <212> PRT
 <213> Artificial Sequence

<220>
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<220>
 <221> MOD_RES
 <222> (20)..(20)
 <223> Met(0)

<220>
 <221> MOD_RES
 <222> (31)..(31)
 <223> Trp(02)

<400> 72
 Asn Glu Glu Glu Glu Glu His Gly Glu Gly Thr Phe Thr Ser Asp Leu
 1 5 10 15

Ser Lys Gln Met Glu Glu Glu Ala Val Arg Leu Phe Ile Glu Trp Leu
 20 25 30

Lys Asp Gly Gly Pro Ser Ser Gly Ala Ser
 35 40

<210> 73
 <211> 42
 <212> PRT
 <213> Artificial sequence

<220>
 <223> Description of Artificial Sequence: Synthetic

peptide

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 <221> MOD_RES
 <222> (14)..(14)
 <223> Met(O)

<220>
 <221> MOD_RES
 <222> (25)..(25)
 <223> Trp(O2)

<400> 73
 His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
 1 5 10 15

Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asp Gly Gly Pro Ser
 20 25 30

Ser Gly Ala Ser Lys Lys Lys Lys Lys Lys
 35 40

<210> 74
 <211> 48
 <212> PRT
 <213> Artificial Sequence

<220>
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<220>
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 <222> (20)..(20)
 <223> Met(O)

<220>
 <221> MOD_RES
 <222> (31)..(31)
 <223> Trp(O2)

<400> 74
 Lys Lys Lys Lys Lys Lys His Gly Glu Gly Thr Phe Thr Ser Asp Leu
 1 5 10 15

Ser Lys Gln Met Glu Glu Glu Ala Val Arg Leu Phe Ile Glu Trp Leu
 20 25 30

Lys Asp Gly Gly Pro Ser Ser Gly Ala Ser Lys Lys Lys Lys Lys Lys
 35 40 45

<210> 75
 <211> 48
 <212> PRT
 <213> Artificial Sequence

50412_022002 Sequence Listing.txt

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<220>
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<222> (20)..(20)
<223> Met(O)

<220>
<221> MOD_RES
<222> (31)..(31)
<223> Trp(O2)

<400> 75
Asn Glu Glu Glu Glu Glu His Gly Glu Gly Thr Phe Thr Ser Asp Leu
1 5 10 15

Ser Lys Gln Met Glu Glu Glu Ala Val Arg Leu Phe Ile Glu Trp Leu
20 25 30

Lys Asp Gly Gly Pro Ser Ser Gly Ala Ser Lys Lys Lys Lys Lys Lys
35 40 45

<210> 76
<211> 50
<212> PRT
<213> Artificial sequence

<220>
<223> Description of Artificial sequence: Synthetic peptide

<220>
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<222> (20)..(20)
<223> Met(O)

<220>
<221> MOD_RES
<222> (31)..(31)
<223> Trp(O2)

<220>
<221> MOD_RES
<222> (34)..(34)
<223> Cyclic Imide

<400> 76
Lys Lys Lys Lys Lys Lys His Gly Glu Gly Thr Phe Thr Ser Asp Leu
1 5 10 15

Ser Lys Gln Met Glu Glu Glu Ala Val Arg Leu Phe Ile Glu Trp Leu
20 25 30

50412_022002 Sequence Listing.txt

Lys Xaa Gly Gly Pro Ser Ser Gly Ala Pro Pro Ser Lys Lys Lys Lys
 35 40 45

Lys Lys
 50

<210> 77
 <211> 36
 <212> PRT
 <213> Artificial Sequence

<220>
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<220>
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 <222> (14)..(14)
 <223> Met(O)

<220>
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 <222> (25)..(25)
 <223> Trp(O2)

<220>
 <221> MOD_RES
 <222> (28)..(28)
 <223> Cyclic Imide

<400> 77
 His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
 1 5 10 15

Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Xaa Gly Gly Pro Ser
 20 25 30

Ser Gly Ala Ser
 35

<210> 78
 <211> 42
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<220>
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 <222> (20)..(20)
 <223> Met(O)

<220>
 <221> MOD_RES
 <222> (31)..(31)

<223> Trp(02)

<220>

<221> MOD_RES

<222> (34)..(34)

<223> Cyclic Imide

<400> 78

Lys Lys Lys Lys Lys Lys His Gly Glu Gly Thr Phe Thr Ser Asp Leu
1 5 10 15

Ser Lys Gln Met Glu Glu Glu Ala Val Arg Leu Phe Ile Glu Trp Leu
20 25 30

Lys Xaa Gly Gly Pro Ser Ser Gly Ala Ser
35 40

<210> 79

<211> 42

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<220>

<221> MOD_RES

<222> (20)..(20)

<223> Met(O)

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<221> MOD_RES

<222> (31)..(31)

<223> Trp(02)

<220>

<221> MOD_RES

<222> (34)..(34)

<223> Cyclic Imide

<400> 79

Asn Glu Glu Glu Glu Glu His Gly Glu Gly Thr Phe Thr Ser Asp Leu
1 5 10 15

Ser Lys Gln Met Glu Glu Glu Ala Val Arg Leu Phe Ile Glu Trp Leu
20 25 30

Lys Xaa Gly Gly Pro Ser Ser Gly Ala Ser
35 40

<210> 80

<211> 42

<212> PRT

<213> Artificial Sequence

50412_022002 Sequence Listing.txt

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<220>

<221> MOD_RES

<222> (14)..(14)

<223> Met(O)

<220>

<221> MOD_RES

<222> (25)..(25)

<223> Trp(O2)

<220>

<221> MOD_RES

<222> (28)..(28)

<223> Cyclic Imide

<400> 80

His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
1 5 10 15

Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Xaa Gly Gly Pro Ser
20 25 30

Ser Gly Ala Ser Lys Lys Lys Lys Lys Lys
35 40

<210> 81

<211> 48

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<220>

<221> MOD_RES

<222> (20)..(20)

<223> Met(O)

<220>

<221> MOD_RES

<222> (31)..(31)

<223> Trp(O2)

<220>

<221> MOD_RES

<222> (34)..(34)

<223> Cyclic Imide

<400> 81

Lys Lys Lys Lys Lys Lys His Gly Glu Gly Thr Phe Thr Ser Asp Leu
1 5 10 15

50412_022002 Sequence Listing.txt

Ser Lys Gln Met Glu Glu Glu Ala Val Arg Leu Phe Ile Glu Trp Leu
20 25 30

Lys Xaa Gly Gly Pro Ser Ser Gly Ala Ser Lys Lys Lys Lys Lys Lys
35 40 45

<210> 82
<211> 48
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

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<223> Met(O)

<220>
<221> MOD_RES
<222> (31)..(31)
<223> Trp(O2)

<220>
<221> MOD_RES
<222> (34)..(34)
<223> Cyclic Imide

<400> 82
Asn Glu Glu Glu Glu Glu His Gly Glu Gly Thr Phe Thr Ser Asp Leu
1 5 10 15

Ser Lys Gln Met Glu Glu Glu Ala Val Arg Leu Phe Ile Glu Trp Leu
20 25 30

Lys Xaa Gly Gly Pro Ser Ser Gly Ala Ser Lys Lys Lys Lys Lys Lys
35 40 45

<210> 83
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 83
His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
1 5 10 15

Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asp Gly Gly Pro Ser
20 25 30

50412_022002 Sequence Listing.txt

Ser Gly Ala Pro Pro Pro Ser
35

<210> 84
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<220>
<221> MOD_RES
<222> (28)..(28)
<223> IsoAsp

<400> 84
His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
1 5 10 15

Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asp Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 85
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<220>
<221> MOD_RES
<222> (28)..(28)
<223> Cyclic Imide

<400> 85
His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
1 5 10 15

Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Xaa Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 86
<211> 39

50412_022002 Sequence Listing.txt

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<220>
<221> MOD_RES
<222> (14)..(14)
<223> Met(O)

<400> 86
His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
1 5 10 15

Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 87
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<220>
<221> MOD_RES
<222> (25)..(25)
<223> Trp(O2)

<400> 87
His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
1 5 10 15

Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 88
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

50412_022002 Sequence Listing.txt

<220>
 <221> MOD_RES
 <222> (14)..(14)
 <223> Met(O)

<400> 88
 His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
 1 5 10 15

Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asp Gly Gly Pro Ser
 20 25 30

Ser Gly Ala Pro Pro Pro Ser
 35

<210> 89
 <211> 39
 <212> PRT
 <213> Artificial Sequence

<220>
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<220>
 <221> MOD_RES
 <222> (14)..(14)
 <223> Met(O)

<220>
 <221> MOD_RES
 <222> (28)..(28)
 <223> IsoAsp

<400> 89
 His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
 1 5 10 15

Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asp Gly Gly Pro Ser
 20 25 30

Ser Gly Ala Pro Pro Pro Ser
 35

<210> 90
 <211> 39
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<220>

50412_022002 Sequence Listing.txt

<221> MOD_RES
<222> (14)..(14)
<223> Met(O)

<220>
<221> MOD_RES
<222> (28)..(28)
<223> Cyclic Imide

<400> 90
His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
1 5 10 15

Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Xaa Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 91
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<220>
<221> MOD_RES
<222> (14)..(14)
<223> Met(O)

<220>
<221> MOD_RES
<222> (25)..(25)
<223> Trp(O2)

<400> 91
His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
1 5 10 15

Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 92
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

50412_022002 Sequence Listing.txt

<220>
 <221> MOD_RES
 <222> (25)..(25)
 <223> Trp(O2)

<400> 92
 His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
 1 5 10 15

Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asp Gly Gly Pro Ser
 20 25 30

Ser Gly Ala Pro Pro Pro Ser
 35

<210> 93
 <211> 39
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<220>
 <221> MOD_RES
 <222> (25)..(25)
 <223> Trp(O2)

<220>
 <221> MOD_RES
 <222> (28)..(28)
 <223> IsoAsp

<400> 93
 His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
 1 5 10 15

Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asp Gly Gly Pro Ser
 20 25 30

Ser Gly Ala Pro Pro Pro Ser
 35

<210> 94
 <211> 39
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

50412_022002 Sequence Listing.txt

<220>
 <221> MOD_RES
 <222> (25)..(25)
 <223> Trp(O2)

<220>
 <221> MOD_RES
 <222> (28)..(28)
 <223> Cyclic Imide

<400> 94
 His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
 1 5 10 15

Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Xaa Gly Gly Pro Ser
 20 25 30

Ser Gly Ala Pro Pro Pro Ser
 35

<210> 95
 <211> 39
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<220>
 <221> MOD_RES
 <222> (14)..(14)
 <223> Met(O)

<220>
 <221> MOD_RES
 <222> (25)..(25)
 <223> Trp(O2)

<400> 95
 His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
 1 5 10 15

Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asp Gly Gly Pro Ser
 20 25 30

Ser Gly Ala Pro Pro Pro Ser
 35

<210> 96
 <211> 39
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Page 46

peptide

<220>
 <221> MOD_RES
 <222> (14)..(14)
 <223> Met(O)

<220>
 <221> MOD_RES
 <222> (25)..(25)
 <223> Trp(O2)

<220>
 <221> MOD_RES
 <222> (28)..(28)
 <223> IsoAsp

<400> 96
 His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
 1 5 10 15

Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asp Gly Gly Pro Ser
 20 25 30

Ser Gly Ala Pro Pro Pro Ser
 35

<210> 97
 <211> 39
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<220>
 <221> MOD_RES
 <222> (14)..(14)
 <223> Met(O)

<220>
 <221> MOD_RES
 <222> (25)..(25)
 <223> Trp(O2)

<220>
 <221> MOD_RES
 <222> (28)..(28)
 <223> Cyclic Imide

<400> 97
 His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
 1 5 10 15

Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Xaa Gly Gly Pro Ser
 20 25 30

50412_022002 Sequence Listing.txt

Ser Gly Ala Pro Pro Pro Ser
35

<210> 98
<211> 38
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<220>
<221> MOD_RES
<222> (25)..(25)
<223> Trp(02)

<400> 98
His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
1 5 10 15

Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asp Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Ser
35

<210> 99
<211> 38
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<220>
<221> MOD_RES
<222> (25)..(25)
<223> Trp(02)

<220>
<221> MOD_RES
<222> (28)..(28)
<223> IsoAsp

<400> 99
His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
1 5 10 15

Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asp Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Ser
35

<210> 100
<211> 38
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<220>
<221> MOD_RES
<222> (25)..(25)
<223> Trp(02)

<220>
<221> MOD_RES
<222> (28)..(28)
<223> Cyclic Imide

<400> 100
His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
1 5 10 15

Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Xaa Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Ser
35

<210> 101
<211> 7
<212> PRT
<213> Heloderma suspectum

<400> 101
Glu Glu Glu Ala Val Arg Leu
1 5

<210> 102
<211> 5
<212> PRT
<213> Heloderma suspectum

<400> 102
Leu Lys Asn Gly Gly
1 5

<210> 103
<211> 4
<212> PRT
<213> Heloderma suspectum

<400> 103

Ser Ser Gly Ala
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<210> 104
<211> 38
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 104
His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
1 5 10 15

Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Ser
35

<210> 105
<211> 45
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 105
His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
1 5 10 15

Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser Lys Lys Lys Lys Lys Lys
35 40 45

<210> 106
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 106
Lys Lys Lys Lys Lys Lys
1 5

<210> 107

50412_022002 Sequence Listing.txt

<211> 39
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<220>
 <221> MOD_RES
 <222> (28)..(28)
 <223> alpha-Asp

<220>
 <221> MOD_RES
 <222> (36)..(38)
 <223> This region may encompass 0 to 3 Proline residues

<400> 107
 His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
 1 5 10 15

Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asp Gly Gly Pro Ser
 20 25 30

Ser Gly Ala Pro Pro Pro Ser
 35

<210> 108
 <211> 37
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<400> 108
 His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
 1 5 10 15

Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asp Gly Gly Pro Ser
 20 25 30

Ser Gly Ala Pro Ser
 35